

Gov. Doc
Can
M

Canada. Mines, Bureau of



CANADA

No. 1-2

DEPARTMENT OF MINES AND RESOURCES
MINES AND GEOLOGY BRANCH
BUREAU OF MINES

MINERAL RESOURCES DIVISION,
OTTAWA, JANUARY, 1947.

MILLING PLANTS IN CANADA

PART I - II

2 pts. in 1 vol.

OPERATORS OF CONCENTRATING MILLS
TREATING METALLIC ORES

INDEX TO MINERALS

(1000—164)

	PAGE		PAGE
Chromium.....	10	Mercury.....	10
Cobalt (See Silver).		Molybdenum.....	10
Copper-Gold-Silver.....	8	Nickel-Copper.....	8
Copper-Zinc-Gold-Silver.....	8	Radium (See Silver).	
Custom Concentrators.....	11	Silver.....	9
Gold.....	2	Silver-Lead-Zinc.....	9
Tantalum.....	10	Tungsten.....	11

NOTE:—

- (i) Intermittent operation.
(d) Proposed.

- (*) Idle at present.
(e) Under construction.



MILLING PLANTS IN CANADA
METALLICS
GOLD ORES

(125)

OPERATOR	ADDRESS	LOCATION OF MILL	MANAGER	RATED DAILY CAPACITY	OPERATING AT DEC., 1946	DATE OF FIRST OPERATION	PROCESS
NOVA SCOTIA (4)							
Guysborough Mines, Ltd. (Ventures, Ltd.)	Toronto, S. 2810, 25 King St. W.	Guysborough County Goldenville	R. Charlack, Gen. Supt.	(a) 100 Tons	(*)	Feb. 1935	Amalgamation (40 stamps), table concentration, cyanidation of concentrate. (Idle since January, 1942.)
Consolidated Mining & Smelting Co. of Canada	Trail, B.C. (Montreal, 215 St. James St. W.)	Hallfax County Caribou Gold Mines P.O.	T. G. Howe, Manager	(b) 40 Tons	20	1932	Amalgamation (20 stamps), blankets. (To cease operations about March 1, 1947.)
Avon Gold Mines, Ltd.	Montreal	Oldham	E. Walton, Secy.	115 Tons	(*)	1928	Amalgamation (20 stamps), 75-ton ball mill. (Renovated in June, 1939). (Idle since March, 1943.)
Queens Mines, Ltd.	Halifax, 297 Agricola St.	Lunenburg County Leipsigate	C. D. Johnson, Mgr.	125 Tons	25	1938	Amalgamation, 125-ton ball mill, jigs, classifier, Wilfley table; amalgamation of concentrate. (Plant moved in 1946 from Malaga, Queens county.)
QUEBEC (28)							
Alger Gold Mines, Ltd.	Toronto, 357 Bay St.	Abitibi County Cadillac Tp., Kewagama P.O.	M. J. O'Shaughnessy	(e) 250 Tons		1947	Amalgamation, flotation, roasting, and cyanidation. (Thompson-Cadillac mill.)
O'Brien Gold Mines, Ltd.	Ottawa, 900 Victoria Bldg.	"	(H. E. Sparks, Mgr. { H. F. Berry, Mill Supt.	175 Tons	145	Nov. 1932	Jigs, amalgamation, flotation, roasting, cyanidation. (Producing gold and crude arsenic.)
Consolidated Central Cadillac Mines, Ltd.	Montreal, 132 St. James St. W.	"	F. E. Hall, Mgr.	300 Tons		1947	Cyanidation.
West Malartic Mines, Ltd.	" 6998 Jeanne Mance	" Malartic P.O.	(G. Michaelson, Gen. Mgr. { C. D. Carey, Mill Supt.	300 Tons	(*)	May 1942	Cyanidation.
Canadian Malartic Gold Mines, Ltd.	Toronto, 25 King St. W.	Fourniere Tp., "	(J. P. Millenbach, Mgr. { A. D. Gillespie, Mill Supt.	1,000 Tons	860	April 1935	Cyanidation.
East Malartic Mines, Ltd.	Montreal, 355 St. James St. W.	"	(D. M. McLean, Mgr. { W. Griffin, Mill Supt.	1,600 Tons	795	Nov. 1938	Cyanidation.
Malartic Gold Fields, Ltd.	"	"	(J. Metz, Gen. Mgr. { T. M. Brown, Mill Supt.	750 Tons	575	Dec. 1939	Cyanidation.
Sladen Malartic Mines, Ltd.	Ottawa, 319 Ottawa Electric Bldg., 56 Sparks St.	"	(R. R. Basserman, Gen. Mgr. { R. R. Boyce, Mill Supt.	700 Tons	550	Jan. 1938	Cyanidation.
Siscoe Gold Mines, Ltd.	Montreal, 907 Dominion Square Bldg.	Dubuisson Tp., Siscoe P.O.	(R. G. Walsh, Gen. Mgr. { V. F. Daughney, Mill Supt.	1,000 Tons	325	Jan. 1929	Cones, blankets, amalgamation, cyanidation.
Sullivan Consolidated Mines, Ltd.	" 1604 Aldred Bldg.	" Sullivan P.O.	(H. J. Laronde, Mgr. { R. Faucher, Mill Supt.	500 Tons	350	April 1934	Jigs, blankets, amalgamation, cyanidation.
Lamaque Mining Co., Ltd. (Teck-Hughes Gold Mines).	Toronto, 25 King St. W.	Bourlamaque Tp., Bourlamaque	(J. C. Perry, Mgr. { W. Ziemann, Mill Supt.	1,200 Tons	350	April 1935	Cyanidation.
Sigma Mines (Quebec), Ltd. (Dome Mines, Ltd.)	" 1007 Excelsior Life Bldg., 36 Toronto St.	"	(J. H. Stovel, Man. Dir. { J. G. McCrean, Gen. Mgr. { R. A. Walters, Mill Supt.	1,125 Tons	825	March 1937	Cyanidation.
Golden Manitou Mines, Ltd.	" 330 Bay St.	" Val d'Or	Andrew Robertson, Mgr.	400 Tons	400	Aug. 1942	Cyanidation (1,000-ton mill producing zinc and pyrite concentrates, latter treated in 400 mill).
Courner Mining Co., Ltd.	Montreal S. 1216, 360 St. James St. W.	Louvicourt Tp., Perron P.O.	G. H. Rainville, Pres.	(e) 200 Tons	(*)	1932	Picking belt, cyanidation. (Idle since July, 1942.)

Louvicourt Goldfield Corp., Ltd.	"	1604 Aldred Bldg.	"	"	{ P. Beauchemin, Man. Dir. L. T. Postle.	(e)	600	.....	1947	Jigs, amalgamation, cyanidation. (Purchased Lapa Cadillac plant.)
Perron Gold Mines, Ltd.	Perron, Que.	.....	Pascalie Tp., Perron P.O.	.....	{ N. F. Murray, Mgr. F. B. Denarsh, Mill Supt.	.....	425	300	July 1934	Cyanidation.
Croinor Pershing Mines, Ltd.	Toronto, 184 Bay St.	.....	Pershing Tp., Amos P.O.	.....	J. H. Norrie, Pres.	(d)	.....	.....	.....	.....
Témiscamingue County										
Francoeur Gold Mines, Ltd.	Montreal, 941 Dominion Square Bldg.	.....	Beauchastel Tp., Arntfield P.O.	.....	{ A. V. Corlett. B. G. MacDermid	.....	250	(*)	July 1938	Flotation, cyanidation of concentrate. (Mill idle since Sept. 30, 1944; shipping crude fluxing ore to Noranda Smelter.)
Wasa Lake Gold Mines, Ltd.	Toronto, 1006 Concourse Bldg., 100 Adelaide W.	.....	"	"	J. W. MacKenzie.	(d)	.....	.....	.....	.....
Mic Mac Mines, Ltd.	Montreal, 105 St. James St. W.	.....	Bousquet Tp., Rouyn P.O.	.....	{ A. E. Kirkland, Mgr. A. A. Nelson, Asst. Mgr.	.....	500	500	June 1942	Amalgamation, flotation.
Consolidated Beattie Mines, Ltd.	Toronto, 25 King St. W.	.....	Duparquet Tp., Duparquet P.O.	.....	{ H. S. McGowan, Mgr. A. C. King, Mill Supt.	.....	1,750	600	March 1933	Flotation, roasting of concentrate, cyanidation (producing gold and crude arsenic). Resumed milling, July 2, 1946, at 600 tons a day.
Noranda Mines, Ltd.	Toronto, 1600 Royal Bank Bldg.	.....	"	Noranda.	{ H. L. Roscoe, Gen. Mgr. R. V. Porritt, Asst. Gen. Mgr. C. G. McLachlan, Supt.	(cc)	600	600	1929	Flotation, cyanidation of tailings. (Flotation concentrate to smelter.)
Powell Rouyn Gold Mines, Ltd.	"	26 Adelaide St. W.	"	"	J. E. Jerome, Mgr.	.....	450	(*)	Sept. 1940	Cyanidation. (Mill idle since April, 1942; shipping crude ore to Noranda Smelter.)
Rouyn Merger Gold Mines, Ltd.	"	603 Royal Bank Bldg.	"	McWatters P.O.	R. V. Hopper, Mgr.	(d)	.....	.....	.....	.....
Senator-Rouyn, Ltd.	Hull, 45A Main St.	.....	"	Noranda.	{ J. C. Houston. R. W. Mancantelli, Mill Supt.	.....	330	310	April 1941	Cyanidation.
Stadacona Mines (1944), Ltd.	Toronto, 25 King St. W.	.....	"	Rouyn P.O.	{ Geo. W. Robinson, Mgr. W. A. Jolly, Mill Supt.	.....	400	350	Oct. 1936	Cyanidation.
Hosco Gold Mines, Ltd.	"	357 Bay St.	Joannes Tp., McWatters P.O.	.....	W. J. Hosking, Mgr.	(e)	150	.....	1947	Cyanidation. (Purchased McWatters mill.)
Bellevue Quebec Mines, Ltd. (McIntyre Porcupine Mines, Ltd.)	"	S-1500, 25 King St. W.	Guillet Tp., Bellevue P.O.	.....	{ B. H. Budgeon, Mgr. R. M. Ems, Mill Supt.	.....	350	325	Oct. 1936	Cyanidation.
Kenora District (Patricia Pordon) (Crow River Area)										
Central Patricia Gold Mines, Ltd.	Toronto, 1001 Federal Bldg., 85 Richmond St. W.	.....	Pickle Lake, Central Patricia P.O.	.....	{ R. E. Barrett, Res. Mgr. D. B. Angus, Mill Supt.	.....	400	250	June 1934	Cyanidation.
Pickle Crow Gold Mines, Ltd.	"	930 Canadian Bank of Commerce Bldg., 25 King St. W.	Crow River, Pickle Crow P.O.	.....	{ A. G. Hattie, Mgr. W. M. McLellan, Mill Supt.	.....	400	200	April 1935	Amalgamation, cones, blankets, cyanidation.
Jason Mines, Ltd. (Argosy mine)	"	67 Yonge St.	Casummit (via Sioux Lookout)	.....	{ H. R. Fowlie, Mgr. G. S. Johnson, Mill Supt.	(e)	150	100	1934	Jigs, amalgamation, cyanidation. (Milling resumed September, 1946.)
Cochenour-Willans Gold Mines, Ltd.	"	801 Dominion Bank Bldg.	Red Lake.	.....	{ W. P. Mackle. Owen Matthews, Mill Supt.	.....	170	170	Dec. 1939	Jigs, amalgamation, blanket tables, flotation of cyanide tailings, cyanidation, (concentrate shipped). Roaster now installed and under test.
Hasaga Gold Mines, Ltd.	"	S. 930, 25 King St. W.	"	.....	{ G. V. McKee, Mgr. W. E. Barton, Mill Supt.	.....	350	275	Sept. 1936	Amalgamation, cyanidation.
McKenzie Red Lake Gold Mines, Ltd.	"	402 Premier Trust Bldg.	"	McKenzie Island P.O.	{ H. R. Buckles, Mgr. Wm. A. Parnell, Mill Supt.	.....	250	220	March 1935	Cyanidation.
Madsen Red Lake Gold Mines, Ltd.	Toronto, 67 Yonge St.	.....	Red Lake, Madsen P.O.	.....	{ E. G. Crayston, Res. Mgr. L. H. Van Loon, Mill Supt.	.....	400	300	Aug. 1938	Amalgamation, cyanidation.
McMarnac Red Lake Gold Mines, Ltd.	"	19 Richmond St. W.	"	McKenzie Island P.O.	H. J. Bergmann.	.....	85	(*)	Oct. 1940	Amalgamation, concentration, cyanidation and flotation. (Concentrate shipped). (Idle since October, 1944.)
Berens River Mines, Ltd. (controlled by Newmont Mining Corp.)	Favourable Lake P.O. (New York, 14 Wall St.)	.....	Favourable Lake.	.....	{ C. W. MacDonald, Mgr. W. E. Crawford, Mill Supt.	.....	250	175	Sept. 1939	Cyanidation, flotation of tailings for lead and zinc, (concentrate exported). (To operate at rate of 200 tons in 1945.)

(a) Goldenville—old mill renovated in 1935.
(b) Caribou Gold—first milling, by Cons. M. & S. Co., was in small test plant in 1934; present 35-ton mill started in 1938.
(c) Courmor (Bussières) mill erected in 1932, renovated August, 1937.
(cc) Noranda—3,000-ton mill producing copper concentrate; tailings treated in a 600-ton cyanidation unit to recover gold and silver contents.
(d) Arrosy (formerly Casey-Summit); 50-ton mill erected in 1934, replaced in 1936 by a 75-ton amalgamation cyanidation mill, which was later increased to 150 tons a day.

GOLD ORES — (Continued)

OPERATOR	ADDRESS	LOCATION OF MILL	MANAGER	RATED DAILY CAPACITY	OPERATING AT DEC., 1946	DATE OF FIRST OPERATION	PROCESS
ONTARIO—Continued							
Jerome Gold Mines, Ltd. (controlled by Mining Corp. of Canada).	Toronto, S. 602, 350 Bay St.	Sudbury District		Tons	Tons	1941	Cyanidation. (Idle since August 31, 1943).
Renabie Mines, Ltd.	" 1001 Federal Bldg.		R. A. Bryce, Pres.	500	(*)	Sept.	
Hard Rock Gold Mines, Ltd.	Toronto, 603 Royal Bank Bldg., 8 King St. E.	Thunder Bay District (Little Long Lac Area) Geraldton (6 mi. S.E. of)	{ R. G. McKelvey, Gen. Mgr. R. J. McLeod, Mill Supt.	450	300	1938	Flotation, roasting and cyanidation. (Milling resumed 1945.)
Bankfield Consolidated Mines, Ltd.	" 1006 Concourse Bldg., 100 Adelaide St. W.			150	(*)	May	Amalgamation, cyanidation. (Idle since August 31, 1942).
Little Long Lac Gold Mines, Ltd.	" 25 King St. W.		{ A. E. Cave, Res. Mgr. R. C. Gegg, Mill Supt.	300	180	Nov.	Jigs, blankets, amalgamation, cyanidation of total ore, flotation of cyanide tailings, roasting, and cyanidation of flotation concentrate.
MacLeod-Cockshutt Gold Mines, Ltd.	" R. 510, 357 Bay St.		{ I. M. Kilpatrick, Res. Mgr. R. C. Gegg, Mill Supt.	700	550	April	Flotation, roasting, cyanidation of concentrate.
Magnet Consolidated Mines (1936), Ltd.	" 515 Jarvis St.		C. W. Knight, Pres.	175	100	July	Jigs, traps, blanket tables, amalgamation, flotation cyanidation of flotation concentrate. Operations resumed March 9, 1946.
Sturgeon River Gold Mines, Ltd.	" 320 Bay St.		A. L. Bishop, Man. Dir.	75	(*)	June	Amalgamation, cyanidation. (Idle since October, 1942.)
Leitch Gold Mines, Ltd.	" R. 1207—67 Yonge St.		{ G. A. McKay, Mgr. E. Jones, Mill Supt.	100	75	Jan.	Jig, amalgamation, cyanidation.
Undersill Gold Mining Co., Ltd.	" 1721—25 King St. W.		Chas. Caldwell, Mgr.	75	(*)	Dec.	Cyanidation. (Idle since August, 1942.) (Formerly Sand River.)
Aunor Gold Mines, Ltd. (controlled by Noranda Mines, Ltd.)	Toronto, 1900 Royal Bank Bldg., 8 King St. W.	Cochrane District (Porcupine Area) Deloro Tp., Timmins.	{ S. S. Saxton, Mgr. W. A. Harris, Mill Supt.	500	450	Jan.	Flotation, cyanidation of concentrate.
Buffalo Ankerite Gold Mines, Ltd.	South Porcupine.		{ R. P. Kinkel, Mgr. R. A. Vary, Mill Supt.	1,300	675	1926	Cyanidation.
Delnite Mines, Ltd. (Sylvanite Gold Mines, Ltd.)	Timmins, Box 590.		{ J. Beattie, Mgr. C. S. Stevens, Mill Supt.	500	250	June	Flotation, cyanidation of flotation concentrate.
Naybob (1945) Gold Mines, Ltd.	Toronto, 808 Federal Bldg.		D. G. H. Wright.	225	(*)	March	Jigs, cyanidation. Mine dewatered and underground operations resumed by the new company, November, 1946.
DeSantis Porcupine Mines, Ltd.	Timmins.		R. M. P. Hamilton.	175	(*)	May	Cyanidation. (Idle since October, 1942.)
Coniaurum Mines, Ltd.	Toronto, 2810, 25 King St. W.		{ J. Redington, Res. Mgr. W. O. Lafontaine, Mill Supt.	600	300	July	Cyanidation.
Dome Mines, Ltd.	" 36 Toronto St.		{ R. E. Dye, Gen. Mgr. J. J. Davis, Mill Supt.	1,700	1,600	March	Blankets, amalgamation, cyanidation.
Hollinger Consolidated Gold Mines, Ltd.	Timmins.		{ E. L. Longmore, Gen. Mgr. R. W. Young, Mill Supt.	3,900	3,300	June	Table concentration, cyanidation.
McIntyre Porcupine Mines, Ltd.	Toronto, R-1500, 25 King St. W.		{ R. J. Emnis, Gen. Mgr. J. M. Carter, Mill Supt.	2,500	1,700	1912	Flotation, cyanidation of concentrate.
Paymaster Consolidated Mines, Ltd.	" 204 McKinnon Bldg.		{ C. E. Cook, Gen. Mgr. Roy Stoddart, Mill Supt.	600	335	May	Cyanidation, flotation of cyanide tailings and cyanidation of concentrate.
Moneta Porcupine Mines, Ltd.	" Montreal Trust Bldg., 67 Yonge St.	S. Porcupine.	J. D. Barrington.	200	(*)	Jan.	Jigs, flotation, cyanidation of concentrate (Idle since June, 1943.)
Preston East Dome, Ltd.	" 10 Adelaide St. E.		{ W. A. Hutchison, Mgr. R. D. Lord, Mill Supt.	1,000	650	March	Jigs, amalgamation, cyanidation.

Broulan Porcupine Mines, Ltd.....	"	372 Bay St.....	Whitney Tp., Pamour.....	{W. F. Brown, Mgr. S. Crawford, Mill Supt.	500	350	Nov.	1940	Cyanidation.
Hallnor Mines, Ltd. (Noranda Mines, Ltd.).....	"	1600 Royal Bank Bldg., 8 King St. W.	"	{A. L. Sharp..... S. R. Richards, Mill Supt.	400	250	July	1938	Jigs, flotation, cyanidation.
Hoyle Mining Company, Ltd.....	"	25 King St. W.....	"	{J. M. C. Dunlop, Mine Mgr. G. H. Mustard, Asst. Mgr.	(d).....		Feb.	1941	The 700-ton mill was destroyed by fire, July, 1943; (propose rebuilding later on). Shipments to Famour mill.
Pamour Porcupine Mines, Ltd. (Noranda Mines, Ltd.)	"	1600 Royal Bank Bldg.....	"	{C. E. Anderson, Mgr..... T. R. Wearing, Mill Supt.	1,600	1,000	May	1936	Flotation, cyanidation of concentrate.
Hollinger Consolidated Gold Mines, Ltd. (Ross Mine)	Timmins.....		(Munro Area) Hislop Tp., Holyre P.O.....	{E. L. Longmore, Gen. Mgr. J. J. Cady, Res. Mgr. W. A. Smith, Mill Supt.	300	225	Dec.	1935	Flotation, cyanidation of concentrate.
Kirkland Lake Gold Mining Co., Ltd.....	Toronto, 1314 Metropolitan Bldg., 44 Victoria St.		Timiskaming District (Kirkland Lake Area) Kirkland Lake.....	{V. H. Emery, Man. Dir. G. C. Dunn, Gen. Supt. John Dixon, Mill Supt.	400	225		1919	Cyanidation.
Lake Shore Mines, Ltd.....	Kirkland Lake.....		"	{A. L. Blomfield, Pres. B. S. Crocker, Mill Supt. J. C. Adamson, Gen. Supt.	2,700	800	March	1918	Cyanidation, followed by flotation, roasting. (Part of equipment used for treating old tailings, sulphide flotation plant treating 2,900 tons a day.)
Macassa Mines, Ltd.....	Toronto, 1001 Federal Bldg.....		"	{R. Bryce, Pres. G. A. Howes, Res. Mgr. G. H. Chfr, Mill Supt.	400	215	Oct.	1933	Cyanidation.
Sylvanite Gold Mines, Ltd.....	Kirkland Lake.....		"	{K. C. Gray, Gen. Mgr. W. S. Maguire, Supt. C. L. Williamson, Mill Supt.	600	425	March	1927	Cyanidation.
Teck-Hughes Gold Mines, Ltd.....	"		"	{D. L. H. Forbes, Gen. Mgr. G. G. Gilchrist, Mgr. E. H. Whiteman, Mill Supt.	600	280	March	1917	Cyanidation.
Toburn Gold Mines, Ltd.....	"		"	{M. W. Hotchkin, Gen. Mgr. E. Holt, Mgr. W. O. Connor, Mill Supt.	175	100		1913	Cyanidation.
Wright Hargreaves Mines, Ltd.....	"		"	{M. W. Summerhayes, Man. Dir. R. L. Healy, Gen. Mgr. M. Black, Mill Supt.	1,200	450	May	1921	Cyanidation, flotation of tailings.
Kirkland Golden Gate Mines, Ltd.....	Toronto, R 411, 371 Bay St.....		Teck Tp., Swastika.....	S. A. Pain, Mgr.....	100	(*).....	Aug.	1938	Jig. amalgamation, cyanidation. (Idle since June, 1942.) Re-opening, if any, in 1947, on 60 to 80 tons per day.
Bidgood Kirkland Gold Mines, Ltd.....	" S. 504, 337 Bay St.....		Lebel Tp., King Kirkland.....	{F. L. Smith, Mgr. O. R. Kelly, Mill Supt.	125	100	Sept.	1934	Cyanidation.
Upper Canada Mines, Ltd.....	" 1101 Federal Bldg., 85 Richmond St. W.		Gauthier Tp., Dobie P.O.....	{R. J. Henry..... Douglas Briden, Mill Supt.	350	300	Oct.	1939	Cyanidation.
Cathroy Larder Mines, Ltd. (Yama Gold Mine).....	" 171 Yonge St.....		McIlroy Tp., Boston Creek.....	O. L. Knutzon.....	50	(*).....	Oct.	1941	Cyanidation. (Idle since March, 1943).
Lebon Gold Mines, Ltd.....	" 67 Young St.....		"		200	(*).....			Cyanidation. (Barry Hollinger mill remodelled.)
Chesterville Mines, Ltd.....	" 330 Bay St.....		(Larder Lake Area) McGarry Tp., Kearns P.O.....	{M. D. Calder, Mgr. E. E. Brown, Mill Supt.	750	750	June	1939	Cyanidation.
Kerr Addison Gold Mines, Ltd.....	" 80 King St. W.....		" Virginiatown P.O.....	{W. S. Row, Mgr. N. W. Bennett, Mill Supt.	(m) 2,100	1,650	May	1938	Cyanidation. Plans for further expansion to 4,000 tons per day now underway. Mill will be stepped up to 2,100 tons as soon as labour available.
Omega Gold Mines, Ltd.....	" 80 King St. W.....		McVittie Tp., Larder Lake.....	{F. J. O'Connell, Mgr. R. D. H. Wigmore, Mill Supt.	525	275	Jan.	1936	Flotation, cyanidation of concentrate. (Ceasing operations by April 1, 1947.)
Young Davidson Mines, Ltd. (Hollinger Consolidated Gold Mines, Ltd.)	Timmins.....		(Matachewan Area) Powell Tp., Matachewan.....	{E. L. Longmore, Gen. Mgr. H. H. North, Res. Mgr. H. Wearing, Mill Supt.	1,050	650	Sept.	1934	Wet table concentration, cyanidation.
Matachewan Consolidated Mines, Ltd. (Ventures, Ltd.)	Toronto, 25 King St. W.....		"	{G. H. McDougall, Mgr. G. F. Barkhouse, Mill Supt.	1,000	600	Nov.	1934	Flotation, cyanidation of concentrate.
Tyrantite Mines, Ltd. (Sylvanite Gold Mines, Ltd.)	Kirkland Lake.....		Knight Tp., Gowganda.....	W. D. Stroud, Mgr.....	230	(*).....	June	1939	Flotation, cyanidation of concentrate. (Idle since September, 1942.)

(h) Sturgeon River—40-ton mill operated June-August 1936; replaced in 1937 by 50-ton cyanide mill which has been stepped up to 75 tons a day.
(j) Dome—new mill started operating in Nov. 1930.
(k) McIntyre—new mill started operating in May 1931.
(l) Paymaster—operations by present owners started Sept. 1934.
(m) Kerr Addison—Increased capacity from 1,800 tons to 2,100 tons in 1941.

GOLD ORES — (Concluded)

OPERATOR	ADDRESS	LOCATION OF MILL	MANAGER	RATED DAILY CAPACITY	OPERATING AT DEC., 1946	DATE OF FIRST OPERATION	PROCESS
MANITOBA (4)							
Hudson Bay Mining and Smelting Co., Limited.....	Winnipeg, 500 Royal Bank Bldg.....	The Pas District (Flin Flon Area) Flin Flon.....	{W. A. Green, Gen. Mgr..... {D. Davis, Mill Supt.	(n) 4,500	Tons	July 1930	Cyanidation of flotation plant tailings. (See Copper-Zinc section.)
Golden West Mines, Ltd.....	" 915 Paris Bldg.	Elbow Lake.....	A. D. Macpherson, Pres.....	125	(*)	Aug. 1941	Amalgamation, traps, blankets, concentration. (Operated for a short time in autumn of 1942.)
Howe Sound Exploration Co., Ltd..... (Nor-Acme property)	New York, 730 Fifth Ave.....	Herb Lake, Snow Lake Section.....	Geo. C. Lipsey	(e) 2,000	.....	1947	Flotation, cyanidation.
San Antonio Gold Mines, Ltd.....	Winnipeg, 237 Curry Bldg.....	Rice Lake District Rice Lake, Bissett P.O.....	{C. F. Caswell, Mgr..... {G. F. Reynolds, Asst. Mgr...	550	400	April 1932	Traps, Deister tables, blanket tables, amalgamation of concentrate, cyanidation of tailings.
Ogama Rockland Gold Mines, Ltd.....	Toronto, 80 King St. W.....	" Beresford Lake.....	Jas. Hounston, Mgr.....	(d) 150	.....	1947	Cyanidation. (Purchased Gunnar Gold plant.)
SASKATCHEWAN (2)							
Consolidated Mining and Smelting Co. of Canada, Ltd. ("Box" property).	Trail, B.C.....	Lake Athabaska District Goldfields, Lake Athabaska.....	.....	1,500	(*)	June 1939	Cyanidation. (Idle since August, 1942.)
Newcor Mining & Refining, Ltd.....	Aurora, Doane Hall.....	Douglas Lake Area.....	D. A. Knight.....	(e) 100	.....	1947	Wet concentration (gold-arsenical ores).
BRITISH COLUMBIA (27)							
Taku River Gold Mines, Ltd. (Polaris Taku Mine)...	Vancouver, 302 Royal Bank Bldg....	North-Western District (No. 1) (Atlin Mg. Div.) Taku River, Tulsequah Ck.....	{F. H. MacPherson, Mgr..... {G. W. Galloway, Mill Supt.	300	300	Nov. 1937	Flotation. (Concentrate exported.)
Stewart Canal Gold Mines, Ltd.....	Stewart, B.C.....	(Portland Canal Mg. Div.) Stewart (Bear River).....	J. J. Haashti, Mgr.....	15	(i) (*)	Oct. 1940	Table concentration, flotation. (Gibson mill.) (Idle since 1941.)
Silbak Premier Mines, Ltd..... (Premier Gold Mining Co., Ltd.)	Vancouver, Royal Trust Bldg.....	Premier (Salmon River).....	{D. L. Coulter, Mgr..... {S. F. MacDonald, Mill Supt.	550	200	July 1922	Flotation, blanket and Deister tables (secondary). (Concentrate exported.)
Surf Inlet Consol. Gold Mines, Ltd.....	" Bk. of Nova Scotia Bldg.	(Skeena Mg. Div.) Surf Inlet, Princess Royal Island.....	.....	(q) 120	(*)	1917	Flotation. (Concentrate exported). (Idle since November, 1942. Reopened for development only, March, 1946.)
Cariboo Gold Quartz Mg. Co., Ltd.....	Vancouver, 1007 Royal Bank Bldg.. 675 W. Hastings St.	North-Eastern District (No. 2) (Cariboo Mg. Div.) Wells.....	{C. D. Stevenson, Gen. Mgr.... {J. D. Boulding, Mill Supt.	350	220	Jan. 1933	Cyanidation.
Island Mountain Mines Company, Ltd..... (Newmont Mining Corp.)	" 744 W. Hastings St..... (New York, 14 Wall St.)	"	{J. A. Pike, Mgr..... {John Stone, Mill Supt.	150	100	Nov. 1934	Cyanidation.
Kelowna Exploration Co., Ltd. (Nickel Plate Mine)	Hedley.....	Southern District (No. 4) (Osoyoos Mg. Div.) Hedley.....	{F. A. McGonigle, Mgr..... {E. W. Johnson, Mill Supt.	(r) 275	275	1904	Cyanidation and flotation. (Concentrate exported.)
Hedley Mascot Gold Mines, Ltd.....	Vancouver, 908 Royal Bank Bldg....	"	{V. J. Creeden, Mgr..... {C. W. S. Tremaine, Res. Mgr. {J. C. Black, Mill Supt.	225	200	May 1936	Flotation, cyanidation of middlings, flotation concentrate exported.
Dentonia Mines, Ltd.....	Vancouver, 572 Howe St.....	(Greenwood Mg. Div.) Greenwood.....	G. T. Johnson.....	(e) 50	.....	1947	Flotation.
Kenville Gold Mines, Ltd.....	Toronto, 184 Bay St.....	Eastern District (No. 5) (Nelson Mg. Div.) Nelson.....	{W. B. Montgomery, Mgr..... {J. A. Black, Mill Supt.	(d) 125	.....	1947	Cyanidation.

Alpine Gold, Ltd.	Nelson, Box 83.	" (9 mi. east of), Sitkum Creek, B. N. Sharp.	50	(i) (*)	Dec.	1939	Flotation.
Bayonne Consolidated Mines, Ltd.	Vancouver, 510 Stock Exchange Bldg.	Bayonne (West shore of Kootenay Lake)	50	(*)	Nov.	1936	Cyanidation. (Idle since July, 1946.)
Gold Belt Mining Co., Ltd. (controlled by North American Mines, Inc. of Boston).	Sheep Creek P.O.	Sheep Creek P.O.	175	(*)	Oct.	1938	Cyanidation. (Idle since September, 1943.
Sheep Creek Gold Mines, Ltd. (Queen Mine).	" 616 Stock Exchange Bldg.	" "	150	100	May	1935	Cyanidation.
Velvet Gold-Copper Mine, Inc.	Seattle, Wash., 730 Vance Bldg.	(Trail Creek Mg. Div.)	100	(*)	Dec.	1935	Flotation. (Idle since December, 1942.)
Midnight Gold Mines, Ltd.	Rossland, Box 332.	" (2 mi. west of).	15	(i) (*)	April	1941	Amalgamation, jig, flotation.
Western District (No. 6)							
Bralorne Mines, Ltd.	Vancouver, 555 Burrard St.	(Lillooet Mg. Div.) Cadwallader Creek (Bralorne)	550	315	Feb.	1932	Jigs, blanket tables, amalgamation, flotation, (concentrate exported).
Pioneer Gold Mines of B.C., Ltd.	" 711 Yorkshire Bldg.	" " (Pioneer Mines). (Vancouver, Mg. Div.) (Vancouver Island Area) Zeballos River, Zeballos P.O.	425	70		1900	Jigs, amalgamation, cyanidation.
Spud Valley Gold Mines, Ltd.	" 703 Royal Trust Bldg.	" "	90	(*)	Dec.	1938	Amalgamation, flotation. (Concentrate exported). (Idle since July, 1942.)
Privateer Mine, Ltd.	" 602 Stock Exchange Bldg.	" "	90	50	Sept.	1938	Jigs, amalgamation, cyanidation. (Idle since November, 1943) Operated April and May, 1945. Powerhouse destroyed by fire. Operations resumed November, 1946.
Central Zeballos Gold Mines, Ltd. (Controlled by Reno Gold Mines, Ltd.)	" 543 Granville St.	" "	50	30	Dec.	1939	Jigs, amalgamation, flotation. (Concentrate exported.)
Homeward Mines, Ltd.	" 793 Royal Trust Bldg.	" "	35	(*)	July	1941	Amalgamation, flotation. (Idle since February, 1942)
Musketeer Mines, Ltd.	" 711 Yorkshire Bldg.	Bedwell River	50	(*)	Jan.	1942	Jigs, blanket tables, amalgamation, flotation. (Idle since August, 1942.)
Gold River Mines, Ltd.	" 513 Royal Bank Bldg.	Toquart, Barkley Sound.	10	(*)	June	1942	Amalgamation. (Idle since November, 1941.)
Cangold Mining & Ex. Co.	" 711 Credit Foncier Bldg.	(Alberni Mg. Div.) Drinkwater Creek-Port Alberni.	50			1947	Amalgamation, flotation.
Patmore, W. H.	Prince Rupert.	Deep Inlet, Kyuquot Sound.	50	(d)			
Nitinat Mines, Ltd.	Vancouver, 800 Hall Bldg.	China Creek, Nitinat R.	25			1947	Flotation.
Great Slave Lake District							
Negus Mines, Ltd.	Toronto, 410 Royal Bank Bldg.	(Yellowknife Area) Yellowknife, Great Slave Lake.	80	70	Feb.	1939	Jig, blanket tables, amalgamation, cyanidation.
Consolidated Mining and Smelting Co. of Canada, Ltd. (Con property).	Trail, B.C.	" "	350	300	June	1938	Cyanidation, flotation of tailings, roasting and cyanidation of concentrate. Operations resumed August, 1946.
Giant Yellowknife Gold Mines, Ltd.	Toronto, R. 2810, 25 King St. W.	" "	500			1947	Mill expected to commence operations in 1947.
Ptarmigan Mines, Ltd. (Consolidated Mining and Smelting Co. of Canada, Ltd.)	Trail, B.C.	" "	100	(*)	Nov.	1941	Amalgamation, cyanidation. (Idle since September, 1942)
Thompson-Lundmark Gold Mines, Ltd. (Controlled by Ventures.)	Toronto, R 714, 320 Bay St.	" "	100	(*)	Aug.	1941	Blanket tables, cyanidation. (Hadsel grinding mill). (Idle since September, 1943.)
Beaulieu Yellowknife Mines, Ltd.	Toronto, S-1024, 85 Richmond St. W.	" "	55		Aug.	1947	Aerofall Mill.

(a) Flin Flon—6,000-ton mill producing copper and zinc concentrates, and tailings are treated in a 4,000-ton cyanidation unit for further recovery of gold and silver.

(q) Surf Inlet—first operation in 1917; new 100-ton mill in 1935.

(r) Kelowna Nickel Plate—first mill erected in 1904; operation by present company started Sept., 1934.

(t) Pioneer—first mill erected in 1900; 2nd mill in 1914; 3rd mill (100-ton) in 1928; gradually increased to 425 tons.

COPPER—GOLD—SILVER ORES

(2)

OPERATOR	ADDRESS	LOCATION OF MILL	MANAGER	RATED DAILY CAPACITY Tons	OPERATING AT DEC., 1946 Tons	DATE OF FIRST OPERATION	PROCESS
QUEBEC	Toronto, 1600 Royal Bank Bldg.	Témiscamingue County	{ H. L. Roscoe, Gen. Mgr. R. V. Porritt, Asst. Gen. Mgr. C. G. McLachlan, Gen. Supt. of Mills.	{ (b) 3,000	3,000	Oct. 1928	Flotation. (Copper concentrate to Noranda Smelter, and iron pyrites concentrate, partly exported.)
		Noranda (Rouyn)					
BRITISH COLUMBIA	Vancouver, 675 W. Hastings St.	Southern District (No. 4)	{ A. S. Baillie, Gen. Mgr. W. I. Nelson, Asst. Gen. Mgr. L. H. McKay, Mill Supt.	{ 5,000	3,000	1920	Flotation. (Copper concentrate exported.)
		(Similkameen Mg. Div.) Allenby (Copper Mtn.)					

(b) Noranda—mill producing copper concentrate and iron pyrites concentrate; tailings treated in 600-ton cyanide mill for recovery of gold and silver in tailings.

COPPER—ZINC—GOLD—SILVER ORES

(7)

QUEBEC	Toronto, 330 Bay St.	Abitibi County	{ Andrew Robertson, Mgr. D. A. Livingstone, Mill Supt.	1,000	620	Aug. 1942	Flotation. (Lead and zinc concentrates exported. Pyrite concentrate treated in 400-ton cyanide mill for recovery of gold and silver.) (Tonnage reduced, due to labour shortage.)
	" Suite 602, 350 Bay St.	Desmeloizes Tp., Dupuy P.O.	{ J. A. Little, Mgr. D. Bourke, Mill Supt.	800	525	Sept. 1937	Flotation. (Concentrates: copper to Noranda, zinc exported.)
	Noranda, Que.	Duprat Tp., Amulet P.O.	{ T. E. Little, Mgr. R. C. C. Palmer, Mill Supt.	1,800	1,200	July 1930	Flotation. (Concentrates: copper to Noranda, zinc exported.)
		The Pas District					
MANITOBA	Winnipeg, 500 Royal Bank Bldg.	Flin Flon	{ W. A. Green, Gen. Mgr. D. Davis, Mill Supt.	(f) 6,000	5,000	July 1930	Flotation. (Tailings treated in 4,500-ton cyanide mill for recovery of gold and silver.)
	Toronto, 25 King St. W.	Sherridon	{ R. C. Brehaut, Gen. Mgr. E. Drake, Mill Supt.	2,800	1,500	April 1931	Flotation. (Concentrates: copper and zinc to Flin Flon.)
BRITISH COLUMBIA	Britannia Beach	Southwestern District (No. 6)					
		(Vancouver Mg. Div.) Britannia Beach	{ C. P. Browning, Gen. Mgr. A. C. Munro, Mill Supt.	(g) 6,500	2,400	Jan. 1923	Flotation. (Copper and zinc concentrates exported, pyrites partly exported.)
	Vancouver, Stock Exchange Bldg.	Chemainus, Vancouver Island	P. Peterson	150	(*)	Mar. 1947	Flotation. (Will be in operation March, 1947, when power is available.)

(f) The Flin Flon plant produces copper and zinc concentrates, and the tailings are treated in a 4,500-ton cyanidation unit for the recovery of gold and silver.

(g) Britannia—mill producing copper, zinc, and iron pyrites concentrates; tailings treated on blanket tables for further recovery of gold.

NICKEL—COPPER ORES (1)

(2)

ONTARIO	Toronto, 25 King St. W.	Sudbury District	{ R. L. Beattie, Gen. Mgr. J. C. Farlee, Mill Supt.	30,000	25,000	Aug. 1930	Flotation.
	" 21 Dundas Square.	Falconbridge	{ H. J. Fraser, Mgr. R. C. Mott, Mill Supt.	1,800	1,400	April 1933	Flotation.

1 The nickel-copper ores of the Sudbury district contain important quantities of precious metals, namely, gold, silver, platinum, palladium and other metals of the platinum group.

ONTARIO		Timiskaming District (Cobalt Area)					
Silanco Mining & Refining Co., Ltd.	Toronto, 45 Richmond St. W.	Cobalt.	A. Hasselbring.	300	150	Sept.	1938
Windsor Cobalt Silvers, Ltd.	" R. 15, 9 Toronto St.	"	Geo. A. Ellis.	25	(*)		1942
Ausic Mining & Reduction Co., Ltd.	Cobalt.	"	A. B. Pilliner, Mgr.	125			1946
Kenora Prospectors and Miners, Ltd		Kenora District		25	(*)	July	1943
NORTHWEST TERRITORIES		Great Bear Lake District		125			1933
Eldorado Mining & Refining (1944), Ltd	Ottawa, P.O. Box 379 No. 2, Temporary Bldg.	Echo Bay, Great Bear Lake.	(Gilbert A. LaBine, Pres. E. J. Bolger, Mgr.				

1 The silver ores of Ontario are complex ores usually referred to as silver-cobalt-nickel-arsenical ores and are mined for their cobalt content. The silver ores of Great Bear Lake, Northwest Territories, carry radium in the form of pitchblende as well as silver.

SILVER—LEAD—ZINC ORES

QUEBEC		Pontiac County					
New Calumet Mines, Ltd.	Toronto, 25 King St. W.	Calumet Island.	J. M. C. Dunlap, Mgr.	550	500	Oct.	1943
Candego Mines, Ltd.		Gaspé Nord County		(e)		March	1947
Lake Geneva Mining Co., Ltd.		Sudbury District		100	(*)		1931
BRITISH COLUMBIA		Eastern District (No. 5)		300		Nov.	1929
Base Metals Mining Corp., Ltd.	Toronto, 413 Temple Bldg., 62 Richmond St. W.	Field.	A. G. Ballachay, Mgr.	8,000	7,000	Aug.	1923
The Consolidated Mining & Smelting Co. of Canada, Ltd.	Trail, B.C. (Montreal, 215 St. James St. W.)	(Fort Steele Mg. Div.) Kimberley	(J. R. Geigerich, Mine Supt. H. R. Banks, Mill Supt.	250	130		1929
Western Exploration Co. Ltd. (Mammoth, Standard and Enterprise Mines).	Silverton.	(Slocan Mg. Div.) Silverton	A. M. Ham, Gen. Mgr.	300	(*)	April	1944
Retallack Mines, Ltd.	Vancouver, 475 Howe St.	Retallack.		350			1928
Zincton Mines, Ltd. (Lucky Jim Mine) (controlled by Sheep Creek Gold Mines, Ltd.)	Vancouver, 616 Stock Exchange Bldg.	Zincton, New Denver P.O.	(H. E. Doelle, Man. Dir. G. Avison, Mill Supt.	125	125		1943
Ainsmore Consolidated Mines, Ltd. (Kootenay Florence Mine.)	Toronto, 112 Yonge St.	Ainsworth	C. M. Mohr, Man. Dir.	60	(*)		1927
Duthie Mines (1946), Ltd.	Vancouver, 615 Pender St. W.	Smithers	(C. B. North, Mgr. J. B. McConnell, Mill Supt.	175		Feb.	1947
YUKON		Mayo Area—Keno Hill.					
Keno Hill Mining Co., Ltd.	Toronto, 85 Richmond St. W.		F. Buckle, Mgr.				

(1) The Sullivan mine, with concentrator at Kimberley, B.C., is the largest single producer of silver in Canada; the greater proportion of the Canadian lead and zinc production must also be credited to the Sullivan mine.

CHROMIUM ORES (1)

OPERATOR	ADDRESS	LOCATION OF MILL	MANAGER	RATED DAILY CAPACITY	OPERATING AT DEC., 1946	DATE OF FIRST OPERATION	PROCESS
QUEBEC		Richmond County		Tons	Tons		
Chromite, Ltd. (Sterritt Mine)	Montreal, 404 Notre Dame St.	Cleveland Tp., St. Cyr.	C. L. Jerrom, Mgr.	150	(*)	Jan. 1942	Wet gravity, Wilfley tables, magnetic separator. (Idle since March, 1945.)

MERCURY ORES (2)

BRITISH COLUMBIA		Lillooet Mg. Div. (Bridge River Area)					
Consolidated Mining and Smelting Co. of Canada, Ltd. (The Pinchi property).	Trail, B.C.	Pinchi Lake.	(E. Bronlund, Mgr. (R. M. Porter, Supt.	1,000	(*)	June 1940	Roasting and condensing. (Idle since July, 1944.)
Bralorne Mines, Ltd. (Takla Mercury Mines, Ltd.).	Vancouver, 555 Burrard St.	Omineca Mg. Div. Takla Landing—Silver Creek. ....	.....	100	(*)	Oct. 1943	Roasting and condensing. (Idle since October, 1944.)

MOLYBDENUM ORES (3)

QUEBEC		Pontiac County					
International Molybdenum Co., Ltd. (Moss Mine)..	Toronto, 1103 Central Bldg.	Quyon (4 mi. north of)	J. F. Hansen.	140	(*)	Aug. 1940	Flotation. (Idle since May, 1944.)
Indian Molybdenum, Ltd. (Dome Mines, Ltd.)	Toronto, 36 Toronto St.	Preissac Tp., Preissac P.O., via Amos	J. G. McCrea, Gen. Mgr.	500	(*)	Sept. 1943	Flotation. (Idle since May, 1944.)
Molybdenite Corp. of Canada, Ltd.	Montreal, 601, 59 St. James St. W. . .	La Corne Tp., Val d'Or.	G. Shartner, Mgr.	300	280	May 1943	Flotation.

TANTALUM ORES (2)

NORTHWEST TERRITORIES		(Yellowknife Area)					
Peg. Tantalum Mines, Ltd.	Toronto, 11 King St. W.	Ross Lake.	L. P. Ferrigan, Mgr.	100	.....	Feb. 1947	Gravity concentration, jigs, and tables.
De Staffany Tantalum Beryllium Mines, Ltd.	Edmonton, 914 McLeod Bldg .	Great Slave Lake.	G. D. Staffany, Mgr.	25	25	1946	Table concentration, flotation.

TUNGSTEN ORES

ONTARIO	Little Long Lac Gold Mines, Ltd.....	Toronto, 25 King St. W.....	Thunder Bay District	W. Samuel, Gen. Mgr.....	25	(*).....	1943	Wet gravity concentration and flotation. (Idle since November, 1943.)
	BRITISH COLUMBIA	Trail, B.C.....	Little Long Lac.....	(Omineca Mg. Div.)	70	(*).....	Jan.	1942
			Skeena Crossing (12 miles from).....					
	Consolidated Mining and Smelting Co. of Canada, Ltd. (Red Rose Mine).		(Nelson Mg. Div.)					Jigs, wet table concentration. (Idle since November, 1943.)
NORTHWEST TERRITORIES	Canadian Exploration, Ltd. (Emerald Mine Project).	Vancouver, Royal Bank Bldg.....	Salmo.....	W. A. Marshall, Supt.....	300	(*).....	July	1943
	Philmore Yellowknife Gold Mines, Ltd.....	Toronto, 217 Bay St.....	Outpost Island.....	D. A. Perigoe, Dir.....	60	(*).....		1941
			Great Slave Lake Dist.					Amalgamation, flotation, (Bought mill of International Tungsten Mines, Ltd.)

CUSTOM CONCENTRATORS

ONTARIO	Silanco Mining & Refining Co., Ltd.....	Toronto, 45 Richmond St. W.....	Cobalt.....	(Cobalt Area)	300	150	Sept.	1938	Table concentration, flotation. (Producing cobalt and silver concentrates.)
---------	---	---------------------------------	-------------	---------------	-----	-----	-------	------	---



CANADA

DEPARTMENT OF MINES AND RESOURCES
MINES AND GEOLOGY BRANCH
BUREAU OF MINES

No. 1-2

MINERAL RESOURCES DIVISION,
OTTAWA, JULY, 1946.

MILLING PLANTS IN CANADA

PART II

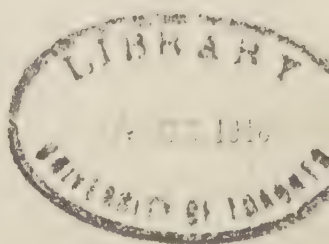
OPERATORS OF CONCENTRATING PLANTS
TREATING INDUSTRIAL MINERALS

INDEX TO MINERALS

(1200—100)

	PAGE		PAGE
Asbestos.....	2	Limestone. (See separate list).	
Barite.....	2	Magnesite.....	5
Bentonite.....	2	Mica.....	5
Brucite.....	3	Miscellaneous Products.....	8
Cement.....	3	Nepheline Syenite.....	5
Corundum.....	3	Pyrites.....	6
Custom Mill (See Misc. Products)		Roofing Granules.....	6
Diatomite.....	3	Salt.....	6
Feldspar.....	4	Silica.....	7
Garnet.....	4	Slate.....	7
Graphite.....	4	Soapstone and Talc.....	7
Gypsum.....	4	Sodium Sulphate.....	8
Iron Oxide.....	5	Stucco Dash (See Misc. Products)	
Kaolin.....	5	Whiting Substitute.....	8

NOTE:—(d) Proposed; (e) Under construction; (*) Idle.



MILLING PLANTS IN CANADA
INDUSTRIAL MINERALS

(1200—100)

ASBESTOS

(11)

OPERATOR	ADDRESS	LOCATION OF PLANT	MANAGER	RATED DAILY CAPACITY	DATE OF FIRST OPERATION	PROCESS
QUEBEC						
Nicolet Asbestos Mines, Ltd.	Norbestos via Warwick	Arthabaska County Norbestos	J. H. Turcotte	Tons (b) 1,200	Feb. 1930	Dry concentration.
Quebec Asbestos Corporation, Ltd.	East Broughton	Beauce County East Broughton	E. E. Spafford	1,000	1916	"
Asbestos Corporation, Ltd.	Thetford Mines (Montreal, Canada Ce- ment Bldg.)	Megantic County Thetford Mines (Beaver mine)	S. Bateman, Supt.	2,800		"
"	"	" (King mine)	O. H. Adams, Supt.	3,500		"
"	"	Black Lake (British Canadian mine)	C. R. Donaghy, Supt.	3,000		"
"	"	Vimy Ridge (Vimy mine)	G. F. Brink	2,400		"
Bell Asbestos Mines, Ltd.	Thetford Mines	Thetford Mines (Bell mine)	{ O. C. Smith, H. A. Smith, Supt.	1,600	1892	{ Present mill started in 1908. First mining operation in 1889.
Johnson's Company	"	" (Johnson mine)	{ A. S. Johnson, L. C. Pharo, Supt.	2,400	1885	{ Present plant started in 1930. First mining operation in 1877.
"	"	Black Lake	"	500		"
Flintkote Mines, Ltd.	"	Thetford Mines	G. H. Gibbs	750	June 1946	"
Canadian Johns-Manville Co., Ltd.	Asbestos	Richmond County Asbestos (Jeffrey mine)	G. K. Foster	(a) 7,000	1893	" (Present plant started in 1902.)

(a) Operating also large plant for the manufacture of fabricated products, (b) Intermittent operation; re-treating asbestos fibre.

BARITE

(1)

NOVA SCOTIA				Tons	
Canadian Industrial Minerals, Ltd.	Toronto, 67 Yonge St.	Hants County Walton	Carl W. McKee	400	1941 Grinding.

BENTONITE

(1)

MANITOBA				Tons	
Pembina Mountain Clays, Ltd.	Winnipeg, 915 Paris Bldg.	Morden	M. Chutorian, Mgr.	20	Oct. 1942 Grinding and activating.

BRUCITE

(1)

QUEBEC		Gatineau County	Tons		1942	Crushing, calcining, hydrating, washing, screening (producing magnesia and lime.)
Aluminum Co. of Canada, Ltd.	Montreal, 1700 Sun Life Bldg.	Wakefield.	Ore	500	1942	

CEMENT

(8)

QUEBEC		Hochelaga County	(Bbls.) (350 lb. each)		1908	Wet. (Plant rebuilt in 1931.)
Canada Cement Co. Ltd.	Montreal, Canada Cement Bldg.	Montreal East (No. 1 Plant).		12,500	Jan.	
“	“	Hull County				
		Hull (No. 3 Plant).		3,000	1905	Wet. (Plant rebuilt in 1929.)
ONTARIO		Hastings County				
Canada Cement Co., Ltd.	Montreal, Canada Cement Bldg.	Belleville (No. 5 Plant).		3,500	1907	Wet. (Plant rebuilt in 1935.)
		Perth County				
St. Mary's Cement Co., Ltd.	Toronto, General Assurance Bldg., 357 Bay St.	St. Mary's.		5,100	1912	Wet.
		Welland County				
Canada Cement Co., Ltd.	Montreal, Canada Cement Bldg.	Port Colborne (No. 8 Plant).		3,000	1908	Wet. (Plant rebuilt in 1932.)
MANITOBA						
Canada Cement Co., Ltd.	“	Fort Whyte (No. 13 Plant) (near Winnipeg).		4,000	1913	Wet. (Plant rebuilt in 1928.)
ALBERTA						
Canada Cement Co., Ltd.	“	Exshaw (No. 12 Plant) (near Banff).		2,000	1907	Wet. (Plant has been remodelled but not rebuilt.)
BRITISH COLUMBIA						
British Columbia Cement Co., Ltd.	Victoria, 500 Fort St.	Barnberton (near Victoria).		3,500	1912	Wet.

CORUNDUM

(1)

ONTARIO		Renfrew County	Tons		1944	Wet gravity and magnetic concentration of old tailings.
Craigmont Corundum Project (Dept. of Reconstruction & Supply).	Craigmont via Barrys Bay.	Craigmont (Raglan Tp.).		200	Oct.	

DIATOMITE

(2)

NOVA SCOTIA		Digby County	Tons		1939	Calcining.
Wightman, G. F.	Little River.	Little River, Smith's Cove.		(g) 5		
BRITISH COLUMBIA		Cariboo District				
Fairey and Company.	Vancouver, 661 Taylor St.	Quesnel.		10	1927	Grinding. (See "Miscellaneous Products".)

(g) Finished product capacity.

FELDSPAR

(3)

OPERATOR	ADDRESS	LOCATION OF PLANT	MANAGER	RATED DAILY CAPACITY	DATE OF FIRST OPERATION	PROCESS
QUEBEC						
Canadian Flint and Spar, Ltd.....	Ottawa, 512 Victoria Bldg.....	Papineau County Buckingham..... Montreal East.....	Norman B. Davis.....	Tons 40	July 1930	Grinding.
Bon Ami, Ltd.....	Montreal, 13719 Notre Dame St. E.....		F. Skelton.....	5	June 1932	"
ONTARIO						
Frontenac Floor and Wall Tile Co., Ltd.....	Kingston.....	Frontenac County Kingston.....	P. H. Swalm.....	30	1921	" (Idle since March 1945.)

GARNET

(2)

Canada Garnet, Ltd.....	Montreal, 152 Notre Dame St. E.....	Labelle County Labelle (Joly Tp.).....	Oscar Clot (Technical Director.)	Tons.....	Oct. 1940	Dry gravity. Grinding and screening. (Plant being remodelled.)
Niagara Garnet Co., Ltd.....	Sturgeon Falls.....	Nipissing District River Valley (Dana Tp.) (Plant at Sturgeon Falls).	W. A. Yarwood.....	2	May 1946	Wet gravity and fine grinding of concentrate into flours for lens grinding. (Mining started in June 1944)

GRAPHITE

(1)

ONTARIO Frobisher Exploration Co., Ltd., (Black Donald Graphite Division).	Toronto, 25 King St. W.....	Renfrew County Black Donald Mines.....	B. G. Edward.....	Tons (1) 40	Dec. 1942	Flotation and grinding.
--	-----------------------------	--	-------------------	----------------	-----------	-------------------------

(1) Producing 9 to 10 tons of refined graphite. First plant erected 1906.

GYP SUM

(10)

NOVA SCOTIA (1) Windsor Plaster Co., Ltd.....	Windsor, N.S., Drawer 470.....	Hants County Windsor.....	L. G. Smith.....	Tons 100	1888	Grinding and calcining.
NEW BRUNSWICK Canadian Gypsum Co., Ltd.....	Toronto, 170 Bloor St.....	Albert County Hillsborough.....	W. B. Isner, Supt.....	240	Sept. 1930	" (First mill in 1854, second mill in 1912)
QUEBEC Gypsum, Lime and Alabastine, Canada, Ltd.....	Paris, Ont., Box 360.....	Hochelega County Montreal East.....	B. A. Home.....	300	1925	"
ONTARIO Canadian Gypsum Co., Ltd.....	Toronto, 170 Bloor St.....	Haldimand County Hagersville.....	W. E. Allen, Supt.....	325	Nov. 1931	"
Gypsum, Lime and Alabastine, Canada, Ltd.....	Paris, Ont., Box 360.....	Caledonia.....	L. V. Robinson.....	500	1910	"
MANITOBA Gypsum, Lime and Alabastine, Canada, Ltd.....	Paris, Ont., Box 360.....	Winnipeg.....	W. E. Armstrong.....	300	1904	"
Western Gypsum Products, Ltd.....	Winnipeg, McArthur Bldg.....	"	H. F. R. Baker.....	200	1930	"

ALBERTA

Gypsum, Lime and Alabastine, Canada, Ltd.....	Paris, Ont., Box 360.....	Calgary.....	A. Pitt.....	200	1930	"
Western Gypsum Products, Ltd.....	Winnipeg, McArthur Bldg.....	"	D. J. McLaughlin.....	100	1946	"
BRITISH COLUMBIA						
Gypsum, Lime and Alabastine, Canada, Ltd.....	Paris, Ont., Box 360.....	Port Mann (near Vancouver).....	N. Jessiman.....	300	1920	"

(1) All gypsum produced in Nova Scotia, except that produced by Windsor Plaster Company, is shipped in the crude state.

IRON OXIDE

QUEBEC	Champlain County			Tons		
Sherwin Williams Co. of Canada, Ltd. (Canada Paint Montreal, 2875 Centre St.....	Red Mill (near Three Rivers).....	Jos. Bradley, Supt.....		(h)	10	1890
						Grinding and calcining.

(h) Finished product.

KAOLIN

QUEBEC	Papineau County			Tons		
Canada China Clay and Silica, Ltd. (Noranda Mines, Toronto, 1600 Royal Bank Bldg.....	Kasil.....	M. J. S. Bennett, Gen. Supt.....			200	1941
						Crushing, washing, drying. (See also under "Silica".)

MAGNESITE

QUEBEC	Argenteuil County			Tons		
Canadian Refractories, Ltd.....	Kilmar.....	E. G. Baker, Supt.....		(1)	300	1919
	Harrington East.....	"		(II)	25	1916
						Calcining and clinkering.
						Calcining.

(1) Output of clinkered product is 120 tons a day.

(II) Output is 12 tons of calcined material a day.

MICA

QUEBEC	Gatineau County			Tons		
Blackburn Bros.....	Ottawa, Blackburn Bldg.....	Cantley.....	H. L. Forbes, Mgr.....	1	Oct.	1929
						Grinding (dry).
Goldflake Mica Co. (Sisroc Mica, Ltd.).....	Montreal, 907 Dominion Square Bldg...	Shawinigan Falls.....	J. H. Legg.....	(d).....		1946
BRITISH COLUMBIA		Vancouver Mining Div.				
Fairey and Company.....	Vancouver, 661 Taylor St.....	Vancouver.....	L. T. Fairey.....	10		1936
Richmond, Geo. W.....	Vancouver, 4190 Blenheim St.....	" 12th Ave. and Renfrew St.....	Geo. W. Richmond.....	50	Aug.	1934
						Grinding. (See "Miscellaneous Products".)
						"
						"

NEPHELINE SYENITE

ONTARIO	Peterborough County			Tons		
American Nepheline, Ltd.....	Lakefield, Ont.....	Lakefield.....	E. B. Wright (Mine Supt.).....	(m)	45	1935
						Grinding with magnetic separation.

(m) Output is 20-mesh glass grade.

PYRITES (3)

OPERATOR	ADDRESS	LOCATION OF PLANT	MANAGER	RATED DAILY CAPACITY	DATE OF FIRST OPERATION	PROCESS
QUEBEC						
Noranda Mines, Ltd.	Toronto, 1600 Royal Bank Bldg.	Temiscamingue County	H. L. Roscoe (Gen. Mgr.)	(n)	Dec. 1939	Flotation.
Waite-Amulet Mines, Ltd.	"		T. E. Little	(n)	Mar. 1944	"
BRITISH COLUMBIA						
Britannia Mining & Smelting Co., Ltd.	Britannia Beach.	Vancouver Mining Div.	{C. P. Browning, Gen. Mgr. A. C. Munro, Supt.	(n)	Jan. 1923	"

(n) Iron pyrites produced as a by-product in the treatment of copper ores.

ROOFING GRANULES (3)

ONTARIO						
Building Products, Ltd.	Montreal, Ville La Salle, 240 St. Patrick St.	Hastings County	C. P. Cowan	Tons	July 1933	Crushing, screening. (See "Miscellaneous products".)
BRITISH COLUMBIA						
Richmond, Geo. W.	Vancouver, 4190 Blenheim St.	Vancouver Mg. Div.	G. W. Richmond	50	1935	Crushing and screening.
Brown, O. M.	Victoria, 1903 Lansdowne Rd.	Victoria Mg. Div.	O. M. Brown	8	1935	"

SALT (9)

NOVA SCOTIA						
Malagash Salt Co., Ltd.	New Glasgow, Box 220.	Cumberland County	J. L. Cavanagh	Tons	1919	Rock salt plant: crushing, sorting, screening. Evaporating plant: dissolving, settling, evaporating, drying and screening.
Maritime Industries, Ltd. (Subsidiary of Standard Chemical Co., Ltd.)	Peterborough, 116 Hunter St.	Nappan (near Amherst)	W. G. Moir	(e)	120	Complete salt plant: vacuum evaporators, grainers, dryers, automatic packers, etc.
ONTARIO						
Canadian Industries, Ltd.	Montreal, 1135 Beaver Hall Hill	Essex County	{H. A. Wilson, Prod. Mgr. J. O. Wright, Wks. Mgr.	430	Dec. 1893	Complete salt plant: vacuum evaporators, grainers, dryers, automatic packers, etc.
Goderich Salt Co., Ltd.	Goderich	Huron County	{R. K. Wurtele, Pres. T. G. Glazier, Supt.	200	1866	Complete salt plant: vacuum evaporators, grainers, dryers, automatic packers, etc.
Purity Flour Mills, Ltd.	Toronto, 287 MacPherson Ave.	"	R. M. Menzies	50	1908	Complete salt plant: vacuum evaporators, grainers, dryers, automatic packers, etc.
Sifto Salt Co., Ltd. (Dominion Tar & Chemical Company, Ltd.)	Montreal, 2240 Sun Life Bldg.	Lambton County	C. F. Davidson	175	Feb. 1905	Complete salt plant: vacuum evaporators, grainers, dryers, automatic packers, etc.
Warwick Pure Salt Co., Ltd.	Watford, R.R. 5.	Watford (Warwick Tp.)	M. Schikiranski	20	July 1933	Salt plant: open pan evaporators, drying and bagging.
MANITOBA						
Canadian Industries, Ltd. (Neepawa Salt Co.)	Montreal, Box 10, 1135 Beaver Hall Hill.	Neepawa	{H. A. Wilson, Prod. Mgr. M. F. O'Day, Wks. Mgr.	100	Aug. 1932	Complete salt plant: vacuum evaporators, grainers, dryers, automatic packers, etc.
ALBERTA						
Industrial Minerals, Ltd. (Dominion Tar & Chemical Company, Ltd.)	Montreal, 2240 Sun Life Bldg.	Waterways	J. Cochran	65	Jan. 1938	Complete salt plant: vacuum evaporators, dryers, automatic packers, pressed blocks, etc.

SILICA

(8)

QUEBEC		Papineau County		Tons		
Canadian Flint and Spar, Ltd.....	Ottawa, 512 Victoria Bldg.....	Buckingham.....	N. B. Davis.....	40	July	Crushing, grinding, and sizing.
Canada China Clay and Silica, Ltd.....	Toronto, 1600 Royal Bank Bldg.....	Kasil.....	M. J. S. Bennett, Gen. Supt....	200	1941	Crushing, washing, grinding, drying, screening, and pulverizing.
Ottawa Silica & Sandstone, Ltd.....	East Templeton (Ottawa, Plaza Bldg.).....	East Templeton.....	P. J. Borbridge.....	(*) 300	1927	Crushing, disintegrating, washing, draining, drying, and screening; acid leaching plant. (Idle since 1942.)
Canadian Carborundum, Ltd.....	Shawinigan Falls.....	St. Canut.....	H. C. Neeld.....	300	1929	Crushing, washing, and drying.
Consumers Industrial Minerals, Ltd.....	Montreal, 8661 Drolet St.....	Ste. Julie.....	J. R. Bonhomme (Pres.).....	(e) 250	Aug.	Crushing, grinding, and sizing.
Industrial Silica Corp.....	Montreal, R. 403 266 St. James St.....	Lac Bouchette.....	D'Arcy D. Bogue.....	150	Mar.	Crushing, grinding, and sizing.
Kingston Silica Mines, Ltd.....	Kingston, R.R. No. 1.....	Joyceville.....	A. D. Bartlett.....	600	1941	Crushing, washing, draining, drying, and screening.
Lake Bar Sand and Gravel Co.....	Winnipeg, 1184 Portage Ave.....	Black Island, Lake Winnipeg.....	W. J. Holmes.....	.....	.....	Washing. (Idle since 1935.)

SLATE

(3)

QUEBEC		Richmond County		Tons		
Bombardier, J. H.....	Valcourt.....	Kingsbury.....	J. A. Bombardier.....	.....	.....	Crushing and grinding.
BRITISH COLUMBIA						
Richmond, Geo. W.....	Vancouver, 4190 Blenheim Ave.....	Vancouver, 12th Ave. & Renfrew St.....	Geo. W. Richmond.....	50	Aug.	Crushing and grinding.
Brown, O. M.....	Victoria, 1903 Lansdowne Rd.....	Kapoor, Vancouver Island.....	O. M. Brown.....	8	1935	Crushing and grinding.

SOAPSTONE AND TALC

(5)

QUEBEC		Megantic County		Tons		
Pulverized Products, Ltd.....	Rosemount, 4820, 4th Ave.....	Montreal, Rosemount.....	{ S. St. George..... N. Tremblay, Supt.	(s) (t) 100	March	Grinding.
Broughton Soapstone & Quarry Co., Ltd.....	Broughton Station.....	Broughton Station.....	G. Gosselin.....	(s) (t).....	1925	Sawing and grinding.
Baker Mining & Milling Co.....	Highwater.....	Highwater.....	W. E. Baker.....	(t).....	1939	Grinding.
ONTARIO						
Canada Talc, Ltd.....	Madoc.....	Madoc.....	Roy Taylor, Gen. Mgr.....	(t) Mill No. 3, 120	1916	Grinding. (Mills Nos. 1 and 2 replaced by No. 3.)
BRITISH COLUMBIA						
Richmond, Geo. W.....	Vancouver, 4190 Blenheim St.....	Vancouver, 12th Ave. & Renfrew St.....	Geo. W. Richmond.....	50	1934	Grinding. (See "Miscellaneous Products").

(s) Soapstone. (t) Talc.

SODIUM SULPHATE

(6)

OPERATOR	ADDRESS	LOCATION OF PLANT	MANAGER	RATED DAILY CAPACITY	DATE OF FIRST OPERATION	PROCESS
SASKATCHEWAN						
Natural Sodium Products, Ltd.	Bishopric, Sask.	{ Bishopric (Frederick Lake) " (Alsask)	A. Bishopric.	Tons 300 250	1921 1942	Harvesting, washing, dehydrating and screening, also preparing Glauber salts.
Horseshoe Lake Mining Co., Ltd. (The International Nickel Co. of Canada, Ltd.)	Copper Cliff, Ont.	Ormiston (Horseshoe Lake)	{ R. L. Beattie, Pres. A. W. Watson, Supt.	150	1930	Harvesting, washing, dehydrating and screening.
Sybouts Sodium Sulphate Co.	Westwood, N.J., U.S.A., 46 Goodwin Terrace.	Gladmar (Sybouts Lake)	{ W. E. Seibert, Pres. J. Knautz, Supt.	50	1941	
Midwest Chemicals, Ltd.	Palo, Sask.	Palo (Whiteshore Lake)	J. W. Millar	150	Mar. 1936	Harvesting, washing, dehydrating and screening, also preparing Glauber salts.
Oban Salt Co., Ltd.	Oban, Sask.	Oban (Whiteshore Lake)	Geo. Andrews.	(*) 12	Nov. 1937	Pumping brine, crystallizing, dissolving and precipitating anhydrous salts, drying and screening.
Hart, Dr. D. C.	Regina.	Horizon.			1943	

WHITING SUBSTITUTE

(5)

QUEBEC						
Pulverized Products, Ltd.	Rosemount, 4820, 4th Ave.	Montreal (Rosemount)	{ S. St. George, N. Tremblay, Supt.	Tons	March 1928	Grinding.
ONTARIO						
Claxton Manufacturing Company	Toronto, Jane and Foxwell Ave.	Toronto.	B. C. Elliott.	50	1938	Grinding and pulverizing. (See "Miscellaneous Products".)
Chem-Ore Mines, Ltd.	" 20 Temperance St.	Bobcaygeon.	D. Speirs.		1939	Grinding (calcium carbonate).
Marlhill Mines, Ltd. (Ontario Paper Co., Ltd.)	Thorold.	Marlbank.	W. H. Hubbard.		May 1942	Grinding.
Gypsum, Lime and Alabastine, Canada, Ltd.	Paris, Ont., Box 360.	Winnipeg.	{ W. E. Armstrong, K. R. Weeks, Supt.	(v) 1		Wet grinding.

(v) Part of gypsum plant (see Gypsum).

MISCELLANEOUS PRODUCTS

(9)

QUEBEC						
Pulverized Products, Ltd.	Montreal, Rosemount, 4820, 4th Ave.	Montreal (Rosemount)	{ S. St. George, Gen. Mgr. N. Tremblay, Supt.	Tons 170	Mar. 1928	Grinding and pulverizing (talc, soapstone, whiting substitute and barite for rubber, paint, paper and asphalt fillers).
LaSalle Products, Ltd.	Montreal, 159 Jean Talon St. W.	Montreal, Côte St. Michel.	P. H. Desrosiers.	40	1918	Grinding for fillers.
Building Products, Ltd.	" Box 6063.	Madoc.	C. P. Cowan.	80	July 1933	Grinding (producing roofing granules). (Grinds black and grey rhyolite.)
Claxton Manufacturing Company	Toronto, Jane & Foxwell Ave.	Toronto.	B. C. Elliott.	50	1938	Grinding and pulverizing. (Mainly limestone.)
Johns, Harrison R.	" 565 Fleet St. W.	"		(*) 15-25	1941	Grinding and pulverizing (most non-metallic minerals except silica). (Idle since 1942.)
Verona Rock Products.	Verona.	Verona.	C. H. Dana, Mgr.	100	1944	Grinding (feldspar, quartz, and limestone).
MANITOBA						
Winnipeg Supply & Fuel Co., Ltd.	Winnipeg, 812 Boyd Bldg.	Winnipeg.	R. G. Foster.	25	1925	Grinding limestone for filler, stock food and poultry grit.
BRITISH COLUMBIA						
Fairey & Company.	Vancouver, 661 Taylor St.	Vancouver.	L. T. Fairey.	10	1936	Grinding various minerals, including mica.
Richmond, Geo. W.	" 4190 Blenheim Ave.	" 12th Ave. & Renfrew St.	Geo. W. Richmond.	50	Aug. 1934	" " including mica, slate, and soapstone.